

**Abstract**

The invention relates to an iron-chromium-aluminum alloy having a good oxidation resistance, comprising (in % by mass) 2.5 to 5.0 % Al, 10 to 25 % Cr, 0.05 to 0.8 % Si, and additions of > 0.01 to 0.1 % Y and/or > 0.01 to 0.1 % Hf and/or > 0.01 to 0.2 % Zr and/or > 0.01 to 0.2 % Cerium mischmetal (Ce, La, Nd) as well as production-associated impurities.